

THE

INFORMANT

NEWSLETTER OF THE MAINE SECTION ASCE

September 2023



From the Editor:

Better late than never, I guess!

We apologize for the delayed issue of this month’s Informant. The fall program has already kicked off, there are still September events coming up for WTS, ASCE, and MBTA.

The 2023-2024 Board of Direction is very excited to kick off the year with a tour and happy hour in Portland. If you are interested in presenting or getting involved with ASCE don’t hesitate to reach out!

We hope everyone had a great summer and are settling into the new (school) year.

We hope to see you soon!

Heather

Page 1 – From the Editor

Page 1 – Save the Date(s)&
Reminders for the Maine
Section of ASCE

Page 2 – President’s Message

Page 3 – ASCE Monthly Meeting

Page 4 – The Wicked Data Min-ah

Page 5 – MBTA PDH Tour

Page 6 – Looking for Employment?

Page 7 & 8 – Advertisements



Maine Section ASCE - Save the Date(s)

September 2023

					1	2
3	4 Labor Day	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26 WTS Annual Meeting	27 Monthly Section Meeting	28	29 MBTA PDH Tour	30



President's Message

Greetings All,

I hope that everyone had a great summer. It got off to a wet start, but the end of summer has been beautiful! I am very excited for this year and see where this next chapter takes us. We have a few new faces on our board this year and are always looking for more volunteers so if you are interested, please let us know.

ASCE National is having a second round of lobbying our state senators this year for re-appropriating the funding for the Federal Aviation Administration reauthorization and the National Dam Safety Program reauthorization.

While the weather is nice, we are hoping to get some outdoor site tours for the section, so if you are working on an interesting project that is under way and don't mind giving a tour to your fellow civil engineers please don't hesitate to reach out.

I look forward to serving you on the board in this new capacity and am always open to suggestions. Let's have a great year!

Thanks,

Nate Powelson, P.E.

Maine Section ASCE President

P.S. Congratulations to one of our Past Presidents Esther Bizier, who recently got married! We wish her and John a lifetime of love and happiness!





Maine Section ASCE Tour & Happy Hour!

**Wednesday
September 27, 2023**



EARN 1 PDH!

The Portland Observatory

Presented by: Portland Landmarks

Come visit the 86 foot high tower on Munjoy Hill in Portland! Originally constructed circa 1807, the tower served as a greater form of communication of incoming ships into Portland's harbor.

The Observatory fell into disrepair and was donated to the City of Portland and restored and opened to tourists in 1939.

In 1984 Greater Portland Landmarks assumed management of the tower, opening it for regular tours for 10 years until the tower was restored again and reopened in 2000.

The Portland Observatory is the only remaining historic maritime signal station in the United States. As an intact survivor from the Golden Age of Sail, the Observatory was added to the National Register of Historic Places in 1972, became a National Historic Landmark in 2006, and named a National Civil Engineering Landmark in 2006. It celebrated its 200th anniversary in 2007.

Cost: \$5 for both members and non-members.

To register contact **Justin Yaitanes** Email: jyaitanes@hntb.com



Schedule:

3:00 - 4:00 PM **Guided Tour**

4:30 - 5:30 PM **Happy Hour – Oxbow (49 Washington Ave, Portland)**



THE WICKED DATA MIN"AH"

#02 YOU CAN GET THERE FROM HERE

22,787
of miles public centerline roadway miles, including Interstate highways, U.S. Routes, state highways, and other urban and rural local roads.

Source: <https://www.maine.gov/mdot/cs/about/roadwayinfo/>

5
of interstate systems in Maine, including I-495, the unsigned Falmouth Spur.

Source: <https://www.maine.gov/mdot/csd/roadwayinfo/>

1905
year highway-user taxes were created. Funds were not used for Highway purposes until 1911.

Source: <https://www.maineroads.org/resources/Documents/Maine%20Roads%20History.PDF>

45
miles of the first section of the Maine Turnpike opened in 1947, and dubbed the 'Mile-A-Minute' Highway.

When the Maine Turnpike opened in 1947, the press dubbed it "Maine's First Mile-A-Minute Highway."
Source: <https://www.maine Turnpike.com/About-MTA/History.aspx>

1781
year the King's Highway from Boston Mass to Machias, Maine was set by Benjamin Franklin.

Source: <http://www.visitmaine.com>



MBTA 2023 PDH TOUR



Earn
Up to
6 PDH
credits

FRIDAY, SEPTEMBER 29, 2023

Earn up to 6 PDH (professional development hours) credits at the 2023 'Learn to Earn' tour.

[REGISTER TODAY!](#) This year's features:

MaineDOT's I-395/Route-9 Connector is a critical gateway that has been discussed for decades and which will tie the interstate to the "Airline," or Route 9. The project is being built by Sargent Corp., and will jumpstart connections, safety, and economic vitality to the region and to the state. The Bangor/Brewer area is the economic and employment center for the north central region of the state, and a hub for the movement of goods due to its proximity to the interstate highway system and Canadian markets. In addition to Sargent, HB Fleming is another MBTA (drive piling) and Northeast Paving are completing significant work for the \$106 million project.

Northeast Paving's new terminal and hot mix-plant expansion in Hermon, is one of the largest industrial projects in Central/Eastern Maine in recent years. The \$16.5 million expansion includes three 10,000-ton tanks for storing liquid asphalt and a 250-ton tank to hold polymer. The state-of-the-art project also extended the adjacent rail spur to make it more efficient to deliver liquid asphalt to the plant from Searsport, where the petroleum product comes in by ship, or Canada. The expansion was needed to meet the demands of the central and northern Maine regions. Northeast Paving worked closely with the Town of Hermon and partnered with MaineDOT to extend the Canadian Pacific Railway spur to the plant.

The University of Maine, the state's flagship campus, has been planning and executing various capital improvement projects, in part due to the transformative Harold Alfond Foundation grant which will provide \$240 million system-wide over 12 years to all campuses in the UMS system. In addition to the new Ferland Engineering Education and Design Center, UMaine's major projects include a recently completed \$8.3 million field hockey complex, and a \$9.5 million softball complex with bleacher seating for 500 fans. The University has broken ground on a new boutique hotel on campus scheduled to open in the spring of 2024. MBTA will tour some of these projects, which are certain to add prestige to the campus, and assist with attracting students and faculty alike.

Safety vests and hard hats required for portions of the Tour.

Cost: Tour Cost is \$95 per person (\$125 for non-members) and includes continental breakfast, bus transportation and lunch.

Bus will meet in Orono at Sargent's new HQ.

Many thanks to the MaineDOT, Sargent, Northeast Paving & UMaine for hosting the 2023 MBTA PDH Tour.



Looking for Employment?



CIANBRO

CONSTRUCTION STRUCTURES ENGINEER

We are currently seeking a Construction Structures Engineer with a four-year engineering degree, minimum of five years' experience in design engineering, and a strong understanding of structural engineering fundamentals. Experience in bridge/heavy civil, dam, concrete, steel, pile driving, cofferdam, and/or geotechnical projects is a plus.

We encourage you to apply today.

TO APPLY VISIT [CIANBRO.COM](https://www.cianbro.com)






AER
AGGREGATES

**Maine,
We're Hiring**

powereng.com/careers




**Valued Earth Work Solutions
& Value Engineered Water Solutions**

- Culvert Rehabilitation projects
- Snap-Tite, CMP, Large Diameter HDPE
- Inflow & Infiltration Solutions (Cretex)
- Pro-Ring, Pipe/MH & Frame Seals
- Low Density Cellular Concrete used for geotechnical & pipe fill applications

DLVEWS CONTACT: Don LeBlanc, P.E.
207-992-3080
don@dlvews.com



Installation of low density cellular concrete in a state building courtyard in Connecticut



Est. 1974
MAIN-LAND
DEVELOPMENT CONSULTANTS, INC.
Engineers, Surveyors, Scientists

Professional Land Surveying • Professional Engineering • Certified Soils Science
Wetlands Delineation • Geotechnical Engineering • Hydrogeology • Forestry

(207) 897-6752 www.main-landdci.com
69 Main St, PO Box Q mainldc@main-landdci.com
Livermore Falls Fax: (207) 897-5404



WENTWORTH
PARTNERS & ASSOCIATES

Connecticut • Florida • Maine • Massachusetts
New Hampshire • New York • Rhode Island

31 Commercial Street 110 Haverhill Road
PO Box 2285 Building B, Suite 203
Skowhegan, ME 04976 Amesbury, MA 01913
Office: 207-858-8010 wpa-design.com Office: 978-792-5945



ACW
ACADIA CIVIL WORKS
ENGINEERING DESIGN & CONSULTATION

Providing Civil Engineering Design and Consultation services throughout Maine with a focus on **Water Resources and Civil Infrastructure.**

207.212.9350
acadiacivilworks.com
jmclean@acadiacivilworks.com



GORRILL PALMER

Relationships. Responsiveness. Results.

207.772.2515 office 300 Southborough Drive, Suite 200
www.gorrillpalmer.com South Portland, ME 04106



R.W. Gillespie & Associates

- Geotechnical Engineering
- Environmental Consulting
- Materials Testing Services

Biddeford, Maine 207-286-8008
Newington, New Hampshire 603-427-0244
Mansfield, Mass. 508-623-0101
www.rwgillespie.com




SUMMIT
GEOENGINEERING SERVICES
Geotechnical Engineering & Explorations
PO Box 515, Gardiner, ME 04345
www.summitgeoeng.com

**PROUD MAINE
ASCE SPONSOR**



**INTEGRATED
OUTCOMES** 
LFOD INTEGRATION SERVICES
WWW.LFOD.IO

Kleinschmidt

Sewal 
The evolution of expertise
A **TFIC** Company



Stantec
30 Park Drive
Topsham, Maine 04086
207.729.1199
2211 Congress Street, Suite 380
Portland, Maine 04102
207.883.3355
**Design with
community in mind**
stantec.com

Business Cards

Do you run your own consulting firm, or have a business that the Maine engineering community should know about? Advertise with a business card! Business card listings run for 1 year, including 9 issues of the Informant and full time on the website. Cost: \$150.00
Discounts Available: Purchase a 1-year Business Card ad and receive a \$25 discount on a Job advertisement!

Job Listings

Advertise for new employees at any level – students, EITs, and PEs will all see your ad.
Job advertisements are posted in one issue of the Informant and on our Facebook page.
Cost: Quarter Page (3.75"x5") - \$35
Half Page (7.5"x5") - \$75 for 1 month
- \$500 for 1 year (9 issues)
Full Page (7.5"x10") - \$150 for 1 month
- \$1000 for 1 year (9 issues)

Would you like to advertise in the Informant? Take a look at our rates above, and contact the editor at Informant.ASCEMaine@gmail.com with any questions

The deadline for submissions is the 20th of each month prior to publication.